

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1245094

Luminaire Tested: PRLX-NIM-L-935-27L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-935-27L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 8
Light Source: -
Ballast/Driver: -

Summary

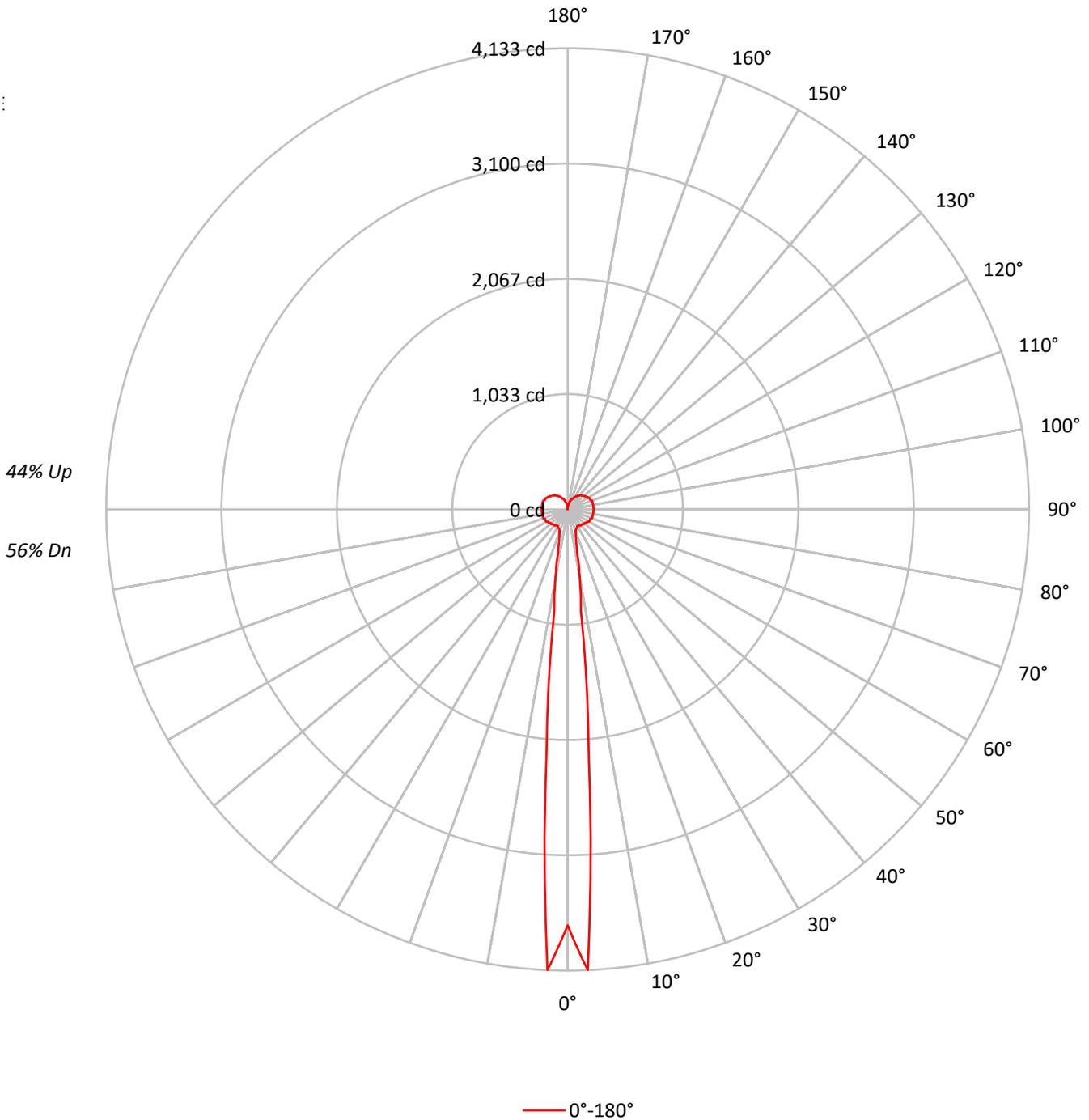
Lumens per Lamp: N/A
Luminaire Lumens: 2693.9 lumens
Efficiency: N/A
Efficacy: 38.8 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 69.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117928
5°	53397
10°	12714
15°	5041
20°	3195
25°	2553
30°	2189
35°	2031
40°	2036
45°	1933
50°	1970
55°	2019
60°	2080
65°	2047
70°	2135
75°	2133
80°	2148
85°	2179

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2229 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	5.9
10°-20°	89.8	3.3
20°-30°	87.3	3.2
30°-40°	112.0	4.2
40°-50°	147.0	5.5
50°-60°	184.6	6.9
60°-70°	219.8	8.2
70°-80°	244.9	9.1
80°-90°	252.6	9.4
90°-100°	252.6	9.4
100°-110°	244.9	9.1
110°-120°	218.5	8.1
120°-130°	179.4	6.7
130°-140°	136.9	5.1
140°-150°	92.2	3.4
150°-160°	50.6	1.9
160°-170°	20.4	0.8
170°-180°	2.5	0.1
0°-30°	335.1	12.4
0°-40°	447.1	16.6
0°-60°	778.7	28.9
0°-90°	1496.0	55.5
90°-120°	715.9	26.6
90°-150°	1124.4	41.7
90°-180°	1198.0	44.5
0°-180°	2693.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3728	
5°	2165	158
15°	289	90
25°	185	87
35°	174	112
45°	185	147
55°	208	185
65°	220	220
75°	232	245
85°	232	189
90°	232	127
95°	232	189
105°	232	245
115°	220	218
125°	197	179
135°	174	137
145°	150	92
155°	104	51
165°	70	20
175°	12	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3727.6
2.5°	4132.8
5°	2164.8
7.5°	914.5
10°	625.1
12.5°	393.6
15°	289.4
17.5°	243.1
20°	208.4
22.5°	196.8
25°	185.2
27.5°	185.2
30°	173.6
32.5°	173.6
35°	173.6
37.5°	185.2
40°	185.2
42.5°	185.2
45°	185.2
47.5°	196.8
50°	196.8
52.5°	196.8
55°	208.4
57.5°	208.4
60°	220.0
62.5°	220.0
65°	220.0
67.5°	220.0
70°	231.5
72.5°	231.5
75°	231.5
77.5°	231.5
80°	231.5
82.5°	231.5
85°	231.5
87.5°	231.5
90°	231.5
92.5°	231.5
95°	231.5
97.5°	231.5
100°	231.5
102.5°	231.5
105°	231.5
107.5°	231.5
110°	231.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	220.0
115°	220.0
117.5°	220.0
120°	208.4
122.5°	208.4
125°	196.8
127.5°	196.8
130°	185.2
132.5°	185.2
135°	173.6
137.5°	173.6
140°	162.1
142.5°	150.5
145°	150.5
147.5°	138.9
150°	127.3
152.5°	115.8
155°	104.2
157.5°	104.2
160°	92.6
162.5°	81.0
165°	69.5
167.5°	57.9
170°	46.3
172.5°	34.7
175°	11.6
177.5°	0.0
180°	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.9	10.9	10.8	11.8	13.0	9.9	10.9	10.8	11.8	13.0
	3H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	4H	14.4	15.4	15.4	16.3	17.5	14.4	15.4	15.4	16.3	17.5
	6H	15.9	16.7	16.8	17.7	18.9	15.9	16.7	16.8	17.7	18.9
	8H	16.6	17.4	17.5	18.3	19.6	16.6	17.4	17.5	18.3	19.6
	12H	17.2	18.0	18.2	19.0	20.2	17.2	18.0	18.2	19.0	20.2
4H	2H	10.7	11.6	11.6	12.5	13.7	10.7	11.6	11.6	12.5	13.7
	3H	13.9	14.7	14.9	15.7	16.9	13.9	14.7	14.9	15.7	16.9
	4H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
	6H	17.2	17.8	18.1	18.8	20.0	17.2	17.8	18.1	18.8	20.0
	8H	17.9	18.6	18.9	19.5	20.8	17.9	18.6	18.9	19.5	20.8
	12H	18.7	19.3	19.7	20.3	21.5	18.7	19.3	19.7	20.3	21.5
8H	4H	16.1	16.7	17.0	17.7	19.0	16.1	16.7	17.0	17.7	19.0
	6H	17.9	18.4	18.9	19.4	20.7	17.9	18.4	18.9	19.4	20.7
	8H	18.8	19.3	19.8	20.3	21.6	18.8	19.3	19.8	20.3	21.6
	12H	19.7	20.2	20.7	21.2	22.5	19.7	20.2	20.7	21.2	22.5
12H	4H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
	6H	18.1	18.6	19.1	19.6	20.9	18.1	18.6	19.1	19.6	20.9
	8H	19.1	19.5	20.0	20.5	21.8	19.1	19.5	20.0	20.5	21.8

(END OF REPORT)